

L Number	Hits	Search Text	DB	Time stamp
55	791	different near2 interfac\$3 near5 (internet network web) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:22
56	742	different near2 interface near5 (internet network web) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 13:07
57	300	different near interface near5 (internet network web) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 13:07
58	18	different near interface near5 (internet network web) and network near connection near3 (different plurality multiple) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 13:41
59	3	different near interface near5 (internet network web) and network near connection adj3 (different plurality multiple) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 13:41
60	7	different adj3 interface near5 (internet network web) and network near connection adj3 (different plurality multiple) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 13:47
61	17	different adj3 interface near5 (internet network web) and (different plurality multiple) adj3 network near connection and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 14:05
62	96	interface near5 (internet network web) same (different plurality multiple) adj3 network near connection and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 14:06
63	61	interface near5 (internet network web) with (different plurality multiple) adj3 network near connection and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 14:06
64	35	709/\$ and interface near5 (internet network web) with (different plurality multiple) adj3 network near connection and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 14:26

65	3	709/\$ and interface near5 (internet network web) with different with (plurality multiple) adj3 network near connection and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 14:23
66	31	709/\$ and layer and (internet network web) same interface with (different plurality multiple) adj3 network near connection and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 14:28
67	3	709/\$ and layer same (internet network web) same interface with (different plurality multiple) adj3 network near connection and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 14:28
68	12	709/\$ and layer same interface with (different plurality multiple) adj3 (internet network web) near3 connect\$4 and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 14:47
69	18	layer same interface with (different plurality multiple) adj3 (internet network web) near3 connect\$4 and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 14:48
99	3634	(both two all) near5 connect\$5 near4 (internet network web) and ((releas\$3 near connect\$5) disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:29
100	333	(both two all) near5 connect\$5 near4 (internet network web) same ((releas\$3 near connect\$5) disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:29
101	163	(both two all) near3 connect\$5 near3 (internet network web) same ((releas\$3 near connect\$5) disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:30
102	2	(both two all) near3 connect\$5 near3 (internet network web) same (releas\$3 near connect\$5) same (disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:42

111	15	("6014727" "6035324" "6105067" "5842211" "5852717" "5948108" "6029147" "6070184" "6167432" "6292830" "6353448" "6381627" "6427161" "6442571" "5956391" "5553239" "5802058" "5644718" "5805823" "6073175" "5550906" "5978849" "6101482" "6115744" "6169739" "6182139" "5623605" "5710883" "5826267" "5835724" "5903559" "5941988" "5987430" "5987517" "5995606" "5999941" "6049820" "6075796" "6078581" "6104716" "6108701" "6128601" "6138156" "6144996" "6212565" "6212565" "6233249" "6233604" "6263371" "5307413").pn. and connect\$ same disconnect\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:32
112	4	(both two multiple plurality) with connect\$5 near3 (internet network web) same releas\$3 near connect\$5 same (disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:44
113	62	(internet network web) same releas\$3 near connect\$5 same (disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:44
114	21	(internet network web) with releas\$3 near connect\$5 with (disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:46
115	31	(internet network web) same releas\$3 near connect\$5 with (disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:47
116	19	709/\$ and (internet network web) same releas\$3 with connect\$5 with (disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:49
117	5	709/\$ and (internet network web) same (plurality multiple two both) same releas\$3 with connect\$5 with (disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:50
118	1	709/\$ and (internet network web) same (plurality multiple two both) near3 (client device computer processor) same releas\$3 with connect\$5 with (disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:51
119	1	709/\$ and (internet network web) same (plurality multiple two both) near3 (client device computer processor user) same releas\$3 with connect\$5 with (disconnect\$ discontinu\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 16:52

120	4	(internet network web) same (plurality multiple two both) near3 (client device computer processor user) same releas\$3 with connect\$5 with (disconnect\$ discontin\$4) and (@ad<20010104 @rlad<20010104)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 17:46
128	6	(internet network web) same (plurality multiple two both) near3 (client device computer processor user) same releas\$3 with connect\$5 with (disconnect\$ discontin\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/08 18:14


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1 [Papers from Hotnets-II: Unmanaged Internet Protocol: taming the edge network management crisis](#)

Bryan Ford

 January 2004 **ACM SIGCOMM Computer Communication Review**, Volume 34 Issue 1

 Full text available: [pdf\(278.18 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Though appropriate for core Internet infrastructure, the Internet Protocol is unsuited to routing within and between emerging ad-hoc edge networks due to its dependence on hierarchical, administratively assigned addresses. Existing ad-hoc routing protocols address the management problem but do not scale to Internet-wide networks. The promise of ubiquitous network computing cannot be fulfilled until we develop an *Unmanaged Internet Protocol* (UIP), a scalable routing protocol that manages i ...

2 [Level II technical support in a distributed computing environment](#)

Tim Leehane

 September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

 Full text available: [pdf\(5.73 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

3 [Communication and information: alternative uses of the Internet in households](#)

Robert Kraut, Tridas Mukhopadhyay, Janusz Szczypula, Sara Kiesler, William Scherlis

 January 1998 **Proceedings of the SIGCHI conference on Human factors in computing systems**

 Full text available: [pdf\(1.07 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Email, Internet, World Wide Web, computer-mediated communication, family communication, interpersonal communication, online services, social impact, technology adoption, user studies

4 [Towards an active network architecture](#)

David L. Tennenhouse, David J. Wetherall

 April 1996 **ACM SIGCOMM Computer Communication Review**, Volume 26 Issue 2

Full text available:  pdf(1.58 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Active networks allow their users to inject customized programs into the nodes of the network. An extreme case, in which we are most interested, replaces packets with "capsules" - program fragments that are executed at each network router/switch they traverse. Active architectures permit a massive increase in the sophistication of the computation that is performed within the network. They will enable new applications, especially those based on application-specific multicast, information fusion, a ...

5 Mobile computing: DataMan project perspective

Tomasz Imielinski

December 1996 **Mobile Networks and Applications**, Volume 1 Issue 4


Full text available:  pdf(239.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The objective of mobile computing is to develop system and application level software for small, battery powered terminals equipped with the wireless network connection. There is a rapidly growing interest in this field with companies spending billions of dollars developing technology and buying spectrum in the recent PCS auctions. In this paper we offer a perspective of mobile computing from the standpoint of our own research project at Rutgers University. The DataMan project (T.Imielinski ...

6 Large-scale experimental study of Internet performance using video traffic

Dmitri Loguinov, Hayder Radha

January 2002 **ACM SIGCOMM Computer Communication Review**, Volume 32 Issue 1

Full text available:  pdf(1.23 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, we analyze the results of a seven-month real-time streaming experiment, which was conducted between a number of unicast dialup clients, connecting to the Internet through access points in more than 600 major U.S. cities, and a backbone video server. During the experiment, the clients streamed low-bitrate MPEG-4 video sequences from the server over paths with more than 5,000 distinct Internet routers. We describe the methodology of the experiment, the architecture of our NACK-based ...

7 Agile application-aware adaptation for mobility

Brian D. Noble, M. Satyanarayanan, Dushyanth Narayanan, James Eric Tilton, Jason Flinn, Kevin R. Walker

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles**, Volume 31 Issue 5

Full text available:  pdf(1.89 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

8 Some social implications of ubiquitous wireless networks

Marc A. Smith

April 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 2

Full text available:  pdf(1.41 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Wireless computer networks and the devices to communicate with them are about to become ubiquitous. A profusion of devices is likely to emerge quickly in specialized form factors, from handhelds to cheap, disposable sensors. Groups of people using these tools will gain new forms of social power, ways to organize and coordinate their interactions and exchanges just in time and just in place. Using these tools, people will be able to collectively construct a range of resources that were too diffic ...

9 Resource management for scalable disconnected access to Web services

Bharat Chandra, Mike Dahlin, Lei Gao, Amjad-Ali Khoja, Amol Nayate, Asim Razzaq, Anil Sewani

April 2001 **Proceedings of the tenth international conference on World Wide Web**

Full text available:  pdf(410.68 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

10 Web browsing in a wireless environment: disconnected and asynchronous operation in ARTour Web Express

Henry Chang, Carl Tait, Norman Cohen, Moshe Shapiro, Steve Mastrianni, Rick Floyd, Barron Housel, David Lindquist

September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**

Full text available:  pdf(1.50 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 Architectural components for the efficient design of mobile agent systems

Marthie Schoeman, Elsabé Cloete

September 2003 **Proceedings of the 2003 annual research conference of the South African institute of computer scientists and information technologists on Enablement through technology**

Full text available:  pdf(136.00 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Over the past eighteen months, there has been a renewed interest in mobile agent technology due to the continued exponential growth of Internet applications, the establishment of open standards for these applications, as well as the semantic web developments. However, the lack of a standardised programming model addressing all aspects of mobile agent systems prevents widespread deployment of the potentially useful technology. The architectural requirements dealing with all aspects of a mobile ag ...

Keywords: design, mobile agent systems, software architecture model, standardisation

12 A proxy architecture for reliable multicast in heterogeneous environments

Yatin Chawathe, Steve A. Fink, Steven McCanne, Eric A. Brewer

September 1998 **Proceedings of the sixth ACM international conference on Multimedia**

Full text available:  pdf(1.18 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

13 Engineering web cache consistency

Jian Yin, Lorenzo Alvisi, Mike Dahlin, Arun Iyengar

August 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 3

Full text available:  pdf(403.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Server-driven consistency protocols can reduce read latency and improve data freshness for a given network and server overhead, compared to the traditional consistency protocols that rely on client polling. Server-driven consistency protocols appear particularly attractive for large-scale dynamic Web workloads because dynamically generated data can change rapidly and unpredictably. However, there have been few reports on engineering server-driven consistency for such workloads. This article repo ...

Keywords: Cache coherence, cache consistency, dynamic content, lease, scalability, volume

14 The analog divide: technology practices in public education

Torin Monahan


September 2001 **ACM SIGCAS Computers and Society**, Volume 31 Issue 3

Full text available:  pdf(1.36 MB) Additional Information: [full citation](#), [references](#), [index terms](#)

15 Algorithmic issues in modeling motion

Pankaj K. Agarwal, Leonidas J. Guibas, Herbert Edelsbrunner, Jeff Erickson, Michael Isard, Sarel Har-Peled, John Hersberger, Christian Jensen, Lydia Kavraki, Patrice Koehl, Ming Lin, Dinesh Manocha, Dimitris Metaxas, Brian Mirtich, David Mount, S. Muthukrishnan, Dinesh Pai, Elisha Sacks, Jack Snoeyink, Subhash Suri, Ouri Wolfson

December 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 4

Full text available:  pdf(205.25 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This article is a survey of research areas in which motion plays a pivotal role. The aim of the article is to review current approaches to modeling motion together with related data structures and algorithms, and to summarize the challenges that lie ahead in producing a more unified theory of motion representation that would be useful across several disciplines.

Keywords: Computational geometry, computer vision, mobile networks, modeling, molecular biology, motion modeling, physical simulation, robotics, spatio-temporal databases

16 Design and implementation of a web-based Internet performance management system using SNMP MIB-II

Seong Jin Ahn, Seung Keun Yoo, Jin Wook Chung

September 1999 **International Journal of Network Management**, Volume 9 Issue 5

Full text available:  pdf(842.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This article is aimed at defining items of analysis using SNMP MIB-II for the purpose of analyzing the performance of Internet-based networks running on TCP/IP protocol, and then utilizing these items, in conjunction with various Web technology and JAVA, to design and implement a Web-based interface of a management system to analyze the performance of the Internet. Copyright © 2000 John Wiley & Sons, Ltd.

17 The transport layer: tutorial and survey

Sami Iren, Paul D. Amer, Phillip T. Conrad

December 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 4

Full text available:  pdf(261.78 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Transport layer protocols provide for end-to-end communication between two or more hosts. This paper presents a tutorial on transport layer concepts and terminology, and a survey of transport layer services and protocols. The transport layer protocol TCP is used as a reference point, and compared and contrasted with nineteen other protocols designed over the past two decades. The service and protocol features of twelve of the most important protocols are summarized in both text and tables. < ...

Keywords: TCP/IP networks, congestion control, flow control, transport protocol, transport service

18 Position papers: A delay-tolerant network architecture for challenged internets

Kevin Fall

August 2003 **Proceedings of the 2003 conference on Applications, technologies, architectures, and protocols for computer communications**

Full text available:  pdf(100.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The highly successful architecture and protocols of today's Internet may operate poorly in environments characterized by very long delay paths and frequent network partitions. These problems are exacerbated by end nodes with limited power or memory resources. Often deployed in mobile and extreme environments lacking continuous connectivity, many such networks have their own specialized protocols, and do not utilize IP. To achieve interoperability between them, we propose a network architecture a ...

19 Engineering server-driven consistency for large scale dynamic Web services

Jian Yin, Lorenzo Alvisi, Mike Dahlin, Arun Iyengar

April 2001 **Proceedings of the tenth international conference on World Wide Web**

Full text available:  pdf(291.44 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Web cache consistency, dynamic content, performance, scalability, volume lease

20 Quality of service provision in noncooperative networks: heterogenous preferences, multi-dimensional QoS vectors, and burstiness

Kihong Park, Meera Sitharam, Shaogang Chen

October 1998 **Proceedings of the first international conference on Information and computation economies**

Full text available:  pdf(1.98 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

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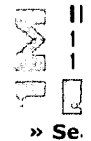
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1 Experience with connected and disconnected operation of portable notebook computers in distributed systems

Huizinga, D.M.; Heflinger, K.A.;

Mobile Computing Systems and Applications, 1994. Proceedings., Workshop on 9 Dec. 1994

Pages:119 - 123

[\[Abstract\]](#) [\[PDF Full-Text \(424 KB\)\]](#) **IEEE CNF**

2 Mobile agents: the next generation in distributed computing

Gray, R.; Kotz, D.; Nog, S.; Rus, D.; Cybenko, G.;

Parallel Algorithms/Architecture Synthesis, 1997. Proceedings. Second Aizu International Symposium , 17-21 March 1997

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3 Spurious states detection and basin describing in feedforward neural networks

Biriukov, S.A.;

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4 Transport control protocols for wireless connections

ElAarag, H.A.; Bassiouni, M.A.;

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5 A "persistent connection" model for mobile and distributed systems

Yongguang Zhang; Son Dao;

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[\[Abstract\]](#) [\[PDF Full-Text \(876 KB\)\]](#) IEEE CNF

6 Training a network with ternary weights using the CHIR algorithm

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8 Leaky buckets: sizing and admission control

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9 Bifurcation phenomena from a simple hysteresis network

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11 How to secure MV networks so as to cope with extreme weather conditions

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13 IEEE standard requirements for secondary network protectors

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14 Petri Nets Theory for the Correctness of Protocols

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15 Discontinuities driven by a billion connected machines

Gelsinger, P.;

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6362836 85
6366558 85
6424992 85
6427161 79
6035342 79
5553239 74
5802058 74
5644718 74
6085247 74
5617540 74
5878212 74
5961586 74
6115744 74
5550982 74
5553242 74
5619497 74
5619716 74
5689697 74
5754772 74
5761507 74
5793974 74
5815652 74
5838921 74
5857075 74
6006230 74
6012099 74
6044476 74
6070245 74
6092063 74
6122667 74
6182075 74
6192389 74
6199180 74
6272542 74
6301245 74
6304576 74
6330560 74
6349337 74
6393468 74

09754557_QUAL

6404762 74
6430177 74

09754557_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 09754557 on October 20, 2004

Original Classifications

7	709/227
3	709/203
3	709/224
3	714/31
2	370/352
2	707/10
2	709/223
2	713/201
2	718/101

Cross-Reference Classifications

6	709/203
5	709/219
5	709/227
4	709/226
4	709/229
3	707/10
3	709/228
3	709/230
3	709/238
3	719/330
2	370/466
2	707/201
2	709/217
2	709/223
2	709/224
2	709/225
2	718/105

Combined Classifications

12	709/227
9	709/203
5	707/10
5	709/219
5	709/224
5	709/226
4	709/223
4	709/228
4	709/229
3	709/230
3	709/238
3	714/31
3	719/330

09754557_CLS

2 370/352
2 370/466
2 707/201
2 707/8
2 709/217
2 709/225
2 713/201
2 717/100
2 718/101
2 718/102
2 718/105
2 719/315